

云南乌头属植物新分类群

杨亲二*

方振东

(中国科学院昆明植物研究所, 昆明650204)

(云南省迪庆州科学技术委员会, 中甸674500)

NEW TAXA OF THE GENUS ACONITUM FROM YUNNAN

Yang Qinger, Fang Zhengdong

(Kunming Institute of Botany, Academia Sinica, Kunming 650204)

(The Science and Technology Commission of Diqing Tibetan Autonomous Prefecture, Zhongdian 674500)

关键词 乌头属; 云岭乌头; 疏叶乌头; 迪庆乌头; 展毛东俄洛乌头

Key words *Aconitum*; *A. yunlingense*; *A. parcifolium*; *A. diqingense*; *A. tongolense* var. *potentipilum*;

云岭乌头 新种 图1

Aconitum yunlingense Q. E. Yang et Z. D. Fang, sp. nov.

Affine *A. styloso* Stapf, sed racemis et floribus et pedicellis glabris differt.

Tubera obconica, circ. 5 cm longa, 1.2 cm crassa. Caulis circ. 60 cm altus, simplex, laxius retrorso-puberulus, aequaliter foliatus. Folia caulina inferiora sub anthesi emarcida, media longe petiolata, petiolis 3—5.5 cm longis glabris; lamina supra parce puberula, ambitu pentagona, circ. 5.5—6.5 cm longa, 5—8 cm lata, basi cordata, ad 5—10 mm supra basin tripartita, partitione media ambitu rhomboidea acuminata subpinnatim inciso-lobata, lobis oblique triangularibus paucelobulatis vel grosse dendatis, partitionibus lateralibus ambitu flabellatis inaequaliter bifidis. Racemus circ. 10 cm longus, laxe 6-florus, rachis cum pedicellis glabra; bracteae foliaceae; pedicelli 2—5 cm longi, prope apicem bracteolati; bracteolae glabrae, subulatae, 3—5 mm longae, 1 mm latae; flores coerulei; sepalum superius naviculare, circ. 1.5 cm altum, 2.5—3 cm a basi ad apicem rostri indistincti metiens, glabrum, margine infero substricto, sepala lateralialate obovata,

2.2 cm longa et lata extus glabra, intus parce puberula, sepala inferiora obovata; petala nectarifera glabra, unguibus ad limbos leviter geniculatis, limbis circ. 1.2 cm longis, labiis 4 mm longis, emarginatis, calcaribus 2.5 mm longis recurvis; stamina glabra, filamentis 2-denticulatis; carpella 5, glabra.

Yunnan (云南): Weixi (维西), Kangpu (康普), Yunling mountain (云岭山脉), alt. 4100 m, alpine meadow, Fang Zheng-dong (方振东) 0304, Aug. 19, 1987 (Holotype, KUN).

本种与显柱乌头 *A. stylosum* Stapf 相近, 但花序、花及心皮均无毛而不同。

疏叶乌头 新种 图2

Aconitum parcifolium Q. E. Yang et Z. D. Fang, sp. nov.

Habitu affine *A. soulei* Finet et Gagnep., sed floribus coeruleo-purpureis, petalis glabris, limbo petali minore, ovariis adpresse brevique pubescentibus differt.

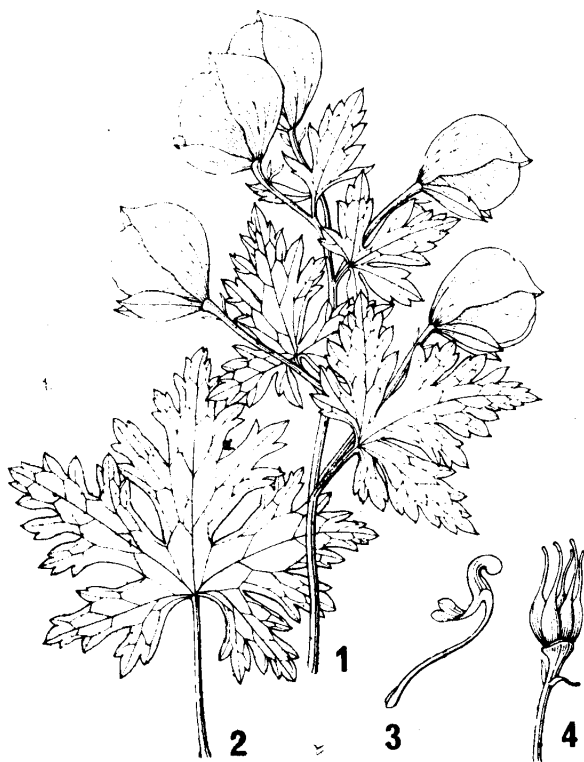


图1 云岭乌头 *Aconitum yunlingense* Q. E. Yang et Z. D. Fang
1.花枝; 2.叶; 3.花瓣; 4.雌蕊。(肖溶绘)

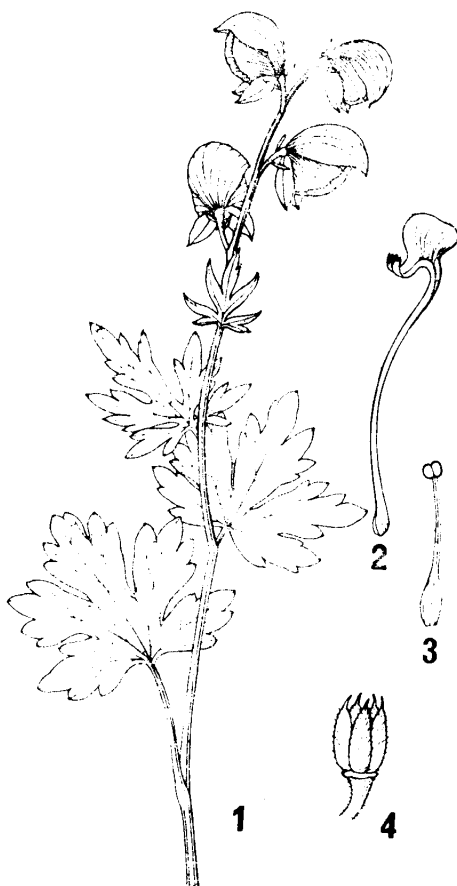


图2 疏叶乌头 *Aconitum parcifolium* Q. E. Yang et Z. D. Fang
1.花枝; 2.花瓣; 3.雄蕊; 4.雌蕊。(肖溶绘)

Tubera ignota. Caulis 30—35 cm altus, inferne glabrescens, superne laxe retrorso-puberulus, simplex. Folium basale 1, cum foliis caulinis inferioribus sub anthesi emarcidum; folia caulina media longiuscule petiolata, petiolis 3—5 cm longis, superiora breve petiolata; lamina subtus glabra, supra ad nervos tantum puberula, ambitu pentagona, basi cordata 2.5—3 cm longa, 3—4 cm lata, ad 5—10 mm supra basin tripartita, partitione media ambitu rhomboidea vel flabellata, lobis dentatis, dentibus oblongis apice mucronatis, partitionibus lateralibus ambitu oblique flabellatis, ad medium inaequaliter bifidis vel trifidis. Racemus 5—7 cm longus, 4—6-florus; rachis cum pedicellis patenter breveque puberula; bractae infimae foliaceae, superiores lanceolatae; pedicelli 1—1.5 cm longi, supra medium bracteolati; bracteolae linearilanceolatae, 2—3 mm longae, utrinque puberulae; flores coerulesco-purpurei, extus puberuli, intus glabri; sepalum superius naviculare, 7—10 mm altum, 1.6—2.5 cm a basi ad apicem rostri brevis metiens, margine infero substricto vel distale leviter concavo, sepala inferiora elliptica, circ. 1 cm longa, 5—8 mm lata; petala nectarifera circ. 3 cm longa, unguibus tenuibus glabris, limbis glabris 5 mm longis, labiis circ. 1.5 mm longis erosus, calcaribus circ. 1 mm longis recurvis; stamina 6 mm longa, filamentis integris, laxe pilosis vel glabris; carpella 5, ovariis adpresse breveque pubescentibus.

Yunnan (云南): Weixi (维西), Kangpu (康普), Yunling mountain (云岭山脉), alt. 3900 m, alpine meadow, Fang Zheng-dong (方振东) 0316, Aug. 19, 1987 (Holotype, KUN).

本种在体态上与茨口乌头 *A. soulei* Finet et Gagnep. 相似, 但花蓝紫色, 花瓣无毛, 花瓣的瓣片较小, 子房被短贴伏柔毛而不同。

迪庆乌头 新种 图 3

Aconitum diqingensis Q. E. Yang et Z. D. Fang sp. nov.

Affine *A. sinonapelloidi* W. T. Wang, sed sepalis minoribus, carpellis 3, densiuscule puberulis differt; a *A. brevipetalo* W. T. Wang racemo longiore, floribus caeruleis, sepalis lateralibus apice subrotundatis, limbo petali majore, carpellis densiuscule puberulis differt.

Tubera ignota. Caulis circ. 70 cm altus, inferne glaber, superne parce retrorso-puberulus, aequaliter foliatus, simplex vel infra inflorescentiam ramulosus. Folia caulina inferiora longe petiolata, sub anthesi emarcida; folia caulina media longiuscule petiolata, petiolis 2—4 cm longis; folia caulina superiora breve petiolata; lamina supra breve adpresseque puberula, subtus glabra, ambitu pentagona, 3—4 cm longa et lata, basi cordata, trisecta, segmento medio ambitu rhomboideo acuminato subpinnatim partito, segmentis lateralibus ambitu oblique flabellatis inaequaliter bipartitis; petioli laminae subaequilongi vel breviores. Racemus 8—14 cm longus; rachis cum pedicellis densiuscule retrorso-puberula; bractae

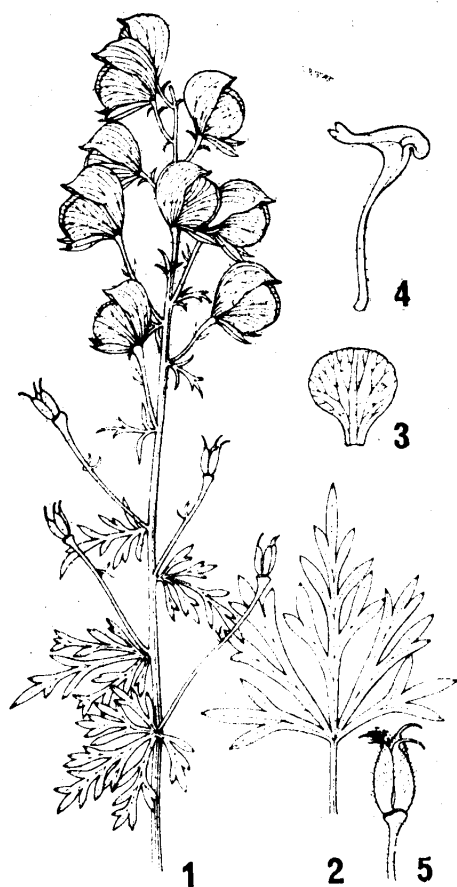


图3 迪庆乌头 *Aconitum diqingense* Q. E.

Yang et Z. D. Fang

1.花枝; 2.叶; 3.侧萼片; 4.花瓣; 5.雌蕊。

(肖溶绘)

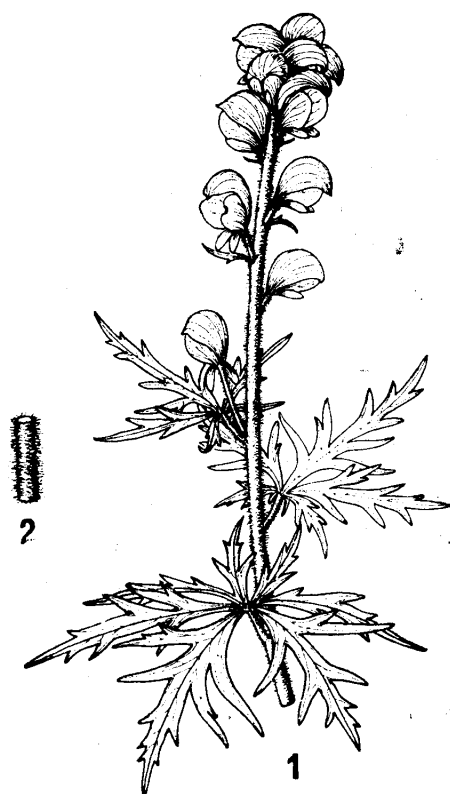


图4 展毛东俄洛乌头 *Aconitum tongolense*

var. *patentipilum* Q. E. Yang et Z.

D. Fang

1.花枝; 2.花梗毛被。(李锡畴绘)

inferiores foliaceae, superiores lanceolatae, pedicelli 1.2—3 cm longi, prope medium vel inferne bracteolati, bracteolae lineares, circ. 3 mm longae; flores caeruleo-purpurei, sepalum superius galeatum vel naviculari-galeatum, circ. 7 mm altum, 1—1.5 cm a basi ad apicem rostri 1—1.5 mm longi metiens, margine infero paulo concavo, sepala lateralibus late obovata, apice subrotundata, 1—1.3 cm longa, circ. 1 cm lata, extus subglabra, intus parce villosa; petala nectarifera circ. 1.7 cm longa, unguibus tenuibus glabris 1.3 cm longis, limbis circ. 7 mm longis glabris, calcaribus 1—1.5 mm longis recurvis, labiis circ. 3 mm longis emarginatis; stamina glabra, filamentis integris, carpella 3, ovariis densiuscule pilosis.

Yunnan (云南): Deqing (德钦), Jiawu snow mountain (甲午雪山), alt. 4250 m, alpine meadow, Fang Zheng—dong (方振东) 1037, Sept. 7, 1988 (Holotype,

KUN).

本种近于拟缺刻乌头 *A. sinonapelloides* W. T. Wang, 但萼片较小, 心皮 3, 被较密的柔毛而不同; 又近于短瓣乌头 *A. brevipetalum* W. T. Wang, 但花序较长, 花兰紫色, 侧萼片顶端近圆形, 花瓣较大, 心皮被较密的毛而易于区别。

展毛东俄洛乌头 新变种 图 4

Aconitum tongolense Ulbr. var. *patentipilum* Q. E. Yang et Z. D. Fang, var. nov.

A var. *tongolensi* differt rhachidibus pedicellisque patenter puberulis.

Yunnan (云南): Weixi (维西), Kangpu (康普), Yunling mountain (云岭山脉), alt. 4100 m, alpine meadow, Fang Zheng-dong (方振东) 0320, Aug. 19, 1987 (Holotype, KUN).

本变种与原变种的区别在于花序轴和花梗被开展柔毛。

致谢 本文承蒙导师吴征镒先生指导, 王文采先生审阅并提出意见, 肖溶先生, 李锡畴先生绘图。